USB

Connectivity Series

ATEN offers a range of USB connectivity solutions to suit a wide variety of users and their applications. Our USB 2.0 products give you the freedom to connect high-speed devices like external storage drives, DVDs, digital cameras, scanners and more.

- **USB Hubs**
  ATEN offers 2/4 port compact USB 2.0 hubs and 3/6 port FireWire hubs for desktop and laptop computers. They are ideal for users who need to connect multiple devices like keyboards, mice, printers, scanners, PDA and flash drives.

- **Host Controller Card**
  ATEN USB PCI Cards are innovative implementations of the USB Hub principle. Instead of a taking up valuable desktop space, the cards plug into a PCI slot on the computer's motherboard.

- **USB Extender Cables**
  USB extender cables allow you to extend the distance between your computer and USB peripheral devices by several meters. These cables correct and transmit the signals as necessary to ensure optimal signal integrity.

- **USB Converters**
  ATEN USB-to-serial and USB-to-parallel converters aid in the transition to USB by allowing devices with traditional interfaces to communicate over USB interfaces. These converters help extend the useful life of your peripheral devices and thereby protect your investment.

- **USB Peripheral Switches**
  ATEN USB peripheral switches allow 2 to 4 computers to share the use of a single USB 1.1 or 2.0 peripheral device on a one-at-a-time basis.

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USB
Connectivity Series

US221A/US421A
2/4-Port USB 2.0 Peripheral Switch
Itelligent Auto Switching, Ideal for multifunction Printers

- Enables two (US221A) or four (US421A) computers to share a single USB peripheral device
- Simple port selection via pushbuttons, configuration utility, or Auto Switch function
- Auto Switch Function – no need for print server
- USB 2.0 compliant
- Supports transfer rates up to 480 Mbps
- Multiplatform support – Windows and Mac
- LED indicators display port focus
- Overcurrent protection
- Bus-powered
- Hot pluggable
- Buzzer indicates switching between computers
- Supports multifunction printers

OS Support Win, Mac, FreeBSD | USB 2.0 | Non-Powered | Windows 7

IC250U
5-Port USB 2.0 PCI Card

- 5-port USB 2.0 PCI card
- Fully compliant with the USB 2.0 specification
- Supports transfer rates of up to 480 Mbps
- Compatible with PC systems
- Hot swappable

OS Support Win, FreeBSD | USB 2.0

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UH275
4-Port USB 2.0 Hub

- Provides 4 additional USB 2.0 ports to existing USB Systems
- Four independent, fully functional, 480 Mbps downstream ports
- Fully compliant with the USB 2.0 specification
- Backward compatible with USB 1.1
- Supports transfer rates of 1.5 / 12 /480 Mbps
- Per port overcurrent protection
- Compact design, easy to store anywhere
- Plug and Play

OS Support: Win, Mac FreeBSD

USB 2.0

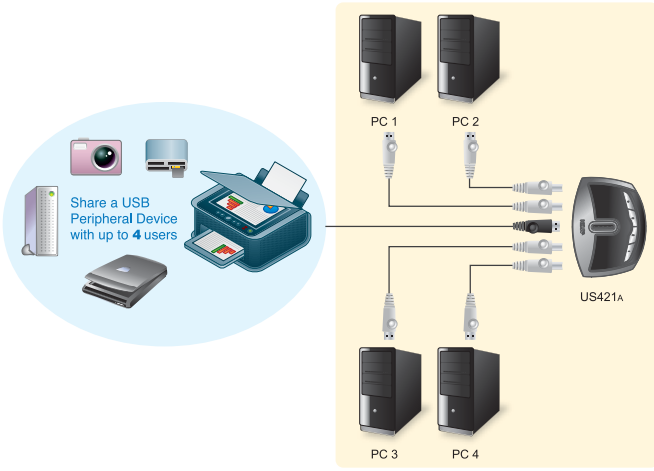
UH284
4-Port USB 2.0 Magnetic Hub
Magnet Pad Built-in for Quick Mounting

- Provides 4 additional USB 2.0 ports to existing USB Systems
- Four independent, fully functional, 480 Mbps downstream ports
- Fully compliant with the USB 2.0 specification
- Backward compatible with USB 1.1
- Supports transfer rates of 1.5 / 12 /480 Mbps
- Per port overcurrent protection
- Compact design, easy to store anywhere
- Built-in Magnet Pad for quick mount and easy movement
- Plug and Play
- Available in silver, black, and burgundy

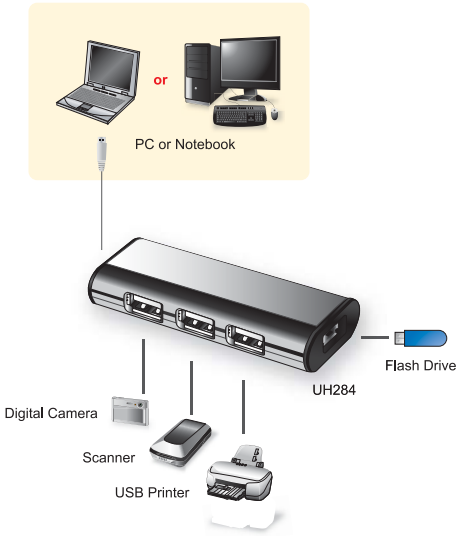
OS Support: Win, Mac, FreeBSD

USB 2.0

Setup (US421A)



Setup (UH284)



Accessories

1. Power Adapters: DC5V x 1 (UH275)(Optional)
2. USB 2.0 Cable x 1 (UH284)
3. USB Cables:1.8m x 1 (US221A/US421A)
4. Software CD x 1 (US221A/US421A)

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USB

UC232A
USB-to-Serial Converter

- Supports the RS232 Serial interface
- Compliant with USB 1.1
- Up to 230 Kbps data transfer rate
- Works with cellular phones, PDAs, digital cameras, modems, and ISDN terminal adapters

OS Support
Win, Linux, Mac

UC2322 / UC2324
2/4-Port USB-to-Serial Hub
Connect Serial Devices via USB

- Easy way to add 2 or 4 RS-232 serial ports
- Fully compliant with USB 1.1; USB 2.0 compatible
- Supports RS-232 serial interface
- Supports automatic handshake mode
- Up to 115.2 Kbps data transfer rate for each serial port
- Dual data buffers for each upstream and downstream data transfer
- No IRQ, DMA, I/O address resources required
- Supports hot-swapping and plug-and-play
- Built-in 16KV ESD protection
- Supports both bus power and external power
- Works with cellular phones, PDAs, digital cameras, modems and ISDN terminal adapters

Rear

OS Support
Win, Linux

UC4852 / UC4854
2/4-Port USB-to-Serial Hub
Connect Serial Devices via USB

- Easy way to add 2 or 4 RS-485 serial ports
- Fully compliant with USB 1.1; USB 2.0 compatible
- Supports RS-422/RS-485 serial interface
- Each port can independently switch between RS-422 and RS-485
- Supports automatic handshake mode
- Up to 115.2 Kbps data transfer rate for each serial port
- Dual data buffers for each upstream and downstream data transfer
- No IRQ, DMA, I/O address resources required
- Supports hot-swapping and plug-and-play
- Built-in 16KV ESD protection
- Supports both bus power and external power
- Works with cellular phones, PDAs, digital cameras, modems and ISDN terminal adapters

Rear

OS Support
Win, Linux

UC1284B
USB Parallel Printer Cable

- Fully bidirectional to ensure compatibility with today's latest printers
- 1 USB Type A connector for standard USB cable connection
- 1 C-36 parallel connector
- Non-powered
- Max. Throughput: 1.2 Mbits/ Sec (ECP Mode)

OS Support
Win

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UE250
USB 2.0 Extender Cable

- Extends one USB device up to 5 m (16 ft)
- USB 2.0 compliant
- Fully compliant with USB Electrical and Timing Specs for USB Hubs
- Multiplatform support – Windows, Mac
- USB IF Approved
- Non-powered

OS Support
Win, Mac FreeBSD
USB 2.0

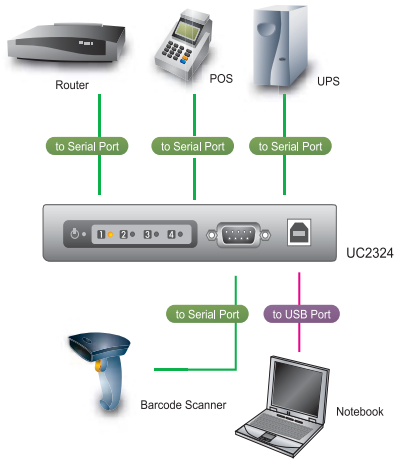
UCE60
USB Extender

Uses Cat 5e Cable to extend the distance between the computer and a USB device up to 60m

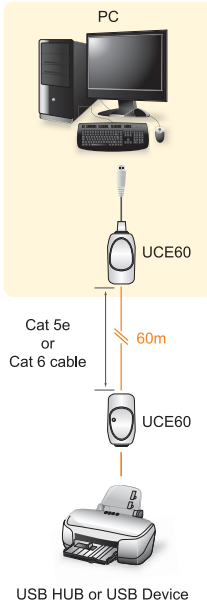
- Extends the transmission distance of a USB device up to 60 m using Cat 5e / Cat 6 cabling
- Provides support for any full-speed (12Mb/s) or low-speed (1.5Mb/s) USB devices
- Embedded USB Transceivers prevent signal loss
- Lowest cost solution for extending USB signals
- No additional installation software required
- LED indicates when additional external power supply needed

OS Support
Win, Mac FreeBSD

Setup (UC2324)



Setup (UCE60)



Accessories

1. USB Cable x 1 (UC2322/UC2324,UC4852/UC4854,US221A/US421A)
2. Software CD x 1 (UC2322/UC2324,UC4852/UC4854,US221A/US421A)

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Cables

	Images	Product No.	Interface	TO PC/Source Interface	TO Switch Interface	Compatible Products
A		2L-1001P/C (1.8m) 2L-1006P/C (6m) 2L-1003P/C (3m) 2L-1010P/C (10m) 2L-1005P/C (5m) 2L-1020P/C (20m)	PS/2 Standard	6 pin mini-DIN Male; 6 pin mini-DIN Male; HDB-15 Male	6 pin mini-DIN Male; 6 pin mini-DIN Male; HDB-15 Female	CS912, CS914, CS82A, CS84A, CS88A, CS9134, CS9138,
		2L-5001P/C (1.2m) 2L-5005P/C (5m) 2L-5002P/C (1.8m) 2L-5003P/C (3m)	PS/2 Slim			
		2L-1001P (1.2m) 2L-1030P (30m) 2L-1003P (3m) 2L-1040P (40m) 2L-1005P (5m) 2L-1010P (10m) 2L-1020P (20m)	PS/2	6 pin mini-DIN Female; 6 pin mini-DIN Female; HDB-15 Female **Console**	6 pin mini-DIN Male; 6 pin mini-DIN Male; HDB-15 Male	For PS/2 console extension
B		2L-5201P (1.2 m) 2L-5202P (1.8 m) 2L-5203P (3 m) 2L-5206P (6 m)	PS/2	6 pin mini-DIN Male; 6 pin mini-DIN Male; HDB-15 Male	SPHD Male	CS72E, CS74E, ACS1208A, ACS1216A, CE250A, CS1308, CS1316, CE252, CS231, CS1708A, CS1716A, CL5708, CL5716, CL1000, CL5800, CL1008, CL1016, CN8000, CS1708i, CS1716i
C		2L-5702P (1.8 m)	PS/2	6 pin mini-DIN Male; 6 pin mini-DIN Male; HDB-15 Male	SPHD Male	CS72E, CS74E, ACS1208A, ACS1216A, CE250A, CS1308, CS1316, CE252, CS231, CL1000, CL5800, CS1708A, CS1716A, CL1008, CL5708, CL5716, CL1016, CN8000, CS1708i, CS1716i
D		2L-5202A (1.8 m) 2L-5203A (3 m) 2L-5205A (5 m)	USB	2 Audio plugs; HDB-15 Male	SPHD Female	CS1742, CS1744
E		2L-5202UP (1.8 m) 2L-5203UP (3 m) 2L-5205UP (5 m) 2L-5206UP (6 m)	USB	USB A Type Male; HDB-15 Male	SPHD Male	CS72E, CS74E, CE250A, CE252 ACS1208A, ACS1216A, CL1008, CL1016
F		2L-5302UU (1.8 m) 2L-5303UU (3 m) 2L-5305UU (5 m)	USB	USB A Type Male; USB A Type Male; 2 Audio plugs; HDB-15 Male	SPHD Male; 2 Audio Plugs	CS1772, CS1774
G		2L-5502UP (1.8 m) 2L-5503UP (3 m) 2L-5506UP (6 m)	USB	USB A Type Male; HDB-15 Male	6 pin mini-DIN Male; 6 pin mini-DIN Male; HDB-15 Female	CS82A, CS84A, CS9134, CS9138, CS912, CS914, CS88A
H		2L-1701P (1.8 m) 2L-1703P (3 m) 2L-1705P (5 m) 2L-1710P (10 m)	PS/2	6 pin mini-DIN Male; 6 pin mini-DIN Male; 2 Audio Plugs; HDB-15 Male	Port DB-25 Male	CS228, CS428
I		2L-1701S (1.1 m)	PS/2	6 pin mini-DIN Female; 6 pin mini-DIN Female; 2 Audio Sockets (Female); HDB-15 Female	Port DB-25 Male	CS228, CS428

Images	Product No.	Interface	TO PC/Source Interface	TO Switch Interface	Compatible Products
J	2L-5301U (1.2 m) 2L-5302U (1.8 m) 2L-5303U (3 m) 2L-5304U (4 m) 2L-5305U (5 m)	USB	USB A Type Male HDB-15 Male 2 Audio Plugs	SPHD Male 2 Audio Plugs	CS1732B, CS1734B, CS1732A, CS1734A, CS1754, CS1758, CE800B, CE750, CE770, CE790
K	2L-5301P (1.2 m) 2L-5302P (1.8 m) 2L-5303P (3 m) 2L-5305P (5 m)	PS/2	6 pin mini-DIN Male 6 pin mini-DIN Male 2 Audio Plugs HDB-15 Male	SPHD Male 2 Audio Plugs	CS1732A, CS1734A, CS1754, CS1758, CE300, KE0220 CS1732B, CS1734B
L	2L-5201U (1.2 m) 2L-5202U (1.8 m) 2L-5203U (3 m) 2L-5205U (5 m)	USB	USB A Type Male HDB-15 Male	SPHD-15 Male	CS1742, CS1744, CS1308, CS1316, CS1758 (cascade for CL1758), CS231, CS1708A, CS1716A, CS1708i, CS1716i, CL5708, CL5716, CN8000, IP8000, CL5800, CE700A
M	2L-7D02U (1.8 m) 2L-7D03U (3 m) 2L-7D05U (5 m)	DVI USB	USB A Type Male 2 Audio plugs DVI-D Male (Single Link)	USB B Type Male 2 Audio plugs DVI-D Male (Single Link)	CS1762A, CS1764A, CS1782, CS1784, CS1642, CS1644, CM0264
N	2L-7D02UD (1.8 m) 2L-7D03UD (3 m) 2L-7D05UD (5 m)	DVI DUAL Link USB	USB A Type Male 2 Audio plugs DVI-D Male (Dual Link)	USB B Type Male 2 Audio plugs DVI-D Male (Dual Link)	CS1642, CS1644, CS1782, CS1784
O	LIN5-26WI-WLLG (1.8m)	DVI DUAL Link	DVI-D Male (Dual Link)	DVI-D Male (Dual Link)	CS1642, CS1644
P	2L-7D02I	DVI-I	DVI-I Male (Single Link)	DVI-I Male (Single Link)	CS1642, CS1644
Q	2L-7D02UH	HDMI	USB A Type Male HDMII 2 Audio Plugs	USB B Type Male HDMII 2 Audio Plugs	CS1792, CS1794, CM0264
R	2L-7D02H	HDMI	HDMII	HDMII	CS1792, CS1794, CM0264
S	2L-1700 (0.6 m) 2L-1701 (1.8 m) 2L-1703 (3 m) 2L-1705 (5 m) 2L-1715 (15 m) Daisy chain cable	–	Daisy chain in Port DB-25 Male	Daisy chain Out Port DB-25 Female	ACS1208A, ACS1216A, CS1708A, CS1716A, CS1708i, CS1716i CL5708, CL5716, CL1008, CL1016

About SPHD Connectors:
Many of our KVM switches use SPHD connectors for their KVM and/or console ports. We have specifically modified the shape of these connectors so that only KVM cables that we have designed to work with the KVM switch can be connected.

Simply Better Connections™

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